# High Surface Area Spherical Hydrogenation Catalyst Optimal Solution For Catalytic Reactions

Our Product Introduction

## Basic Information

- Place of Origin: CHINA
- Brand Name: C3 Selective Hydrogenation Catalyst
- Model Number: KMH-03

## Product Specification

- Shape: Spherical
- Pore Size: Uniform Pore Size Distribution
- Selectivity: High Selectivity C3 Hydrogenation
- Active Metal: Palladium (Pd)
- Application: Selective Hydrogenation Of C3 Hydrocarbons
- Surface Area: High Surface Area For Efficient Catalytic Activity
- Operating Temperature: 30-35°C
- Regenerability: Can Be Regenerated Multiple Times Without Significant Loss Of Activity
- Highlight: **Optimal Solution Spherical Hydrogenation Catalyst**

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**Catalytic Reactions Spherical Hydrogenation**

## Product Description

### Product Description:

The C3 Selective Hydrogenation Catalyst is a high-quality solution engineered for efficient and accurate hydrogenation processes across various industrial sectors. This advanced catalyst utilizes palladium (Pd) as its active metal, offering remarkable catalytic properties for selective hydrogenation reactions. It operates optimally within a temperature range of 30-35°C, ensuring stability and performance throughout the hydrogenation process. This controlled temperature environment allows for precise management of reaction conditions, resulting in enhanced selectivity and efficiency.
Uniquely designed in a spherical form, the C3 Selective Hydrogenation Catalyst maximizes surface area, which in turn boosts its catalytic activity. The spherical shape facilitates uniform distribution of reactants, allowing for effective use of the active metal and yielding consistent results in selective hydrogenation reactions. The increased surface area means that more active sites are available, promoting better interaction between the reactants and the catalyst.
The support material for the C3 Selective Hydrogenation Catalyst is aluminum oxide (Al2O3), recognized for its superior thermal and chemical stability. This Al2O3 support framework enhances the durability and longevity of the palladium active metal, contributing to the catalyst's overall effectiveness. Additionally, the support material aids in the optimal dispersion of the active metal, further facilitating the hydrogenation reactions.
In conclusion, the C3 Selective Hydrogenation Catalyst stands out as a premier catalyst tailored for outstanding performance and reliability in selective hydrogenation processes. With its palladium active metal, spherical design, high surface area, and stable aluminum oxide support, this catalyst achieves impressive catalytic activity, selectivity, and efficiency. Operating within the 30-35°C temperature range allows for precise reaction control, ensuring high-quality products and reliable outcomes. Whether applied in pharmaceutical, petrochemical, or food industries, the C3 Selective Hydrogenation Catalyst is the optimal choice for rigorous hydrogenation requirements.

### Features:

**Product Name: C3 Selective Hydrogenation Catalyst**
**Support Material: Aluminum Oxide (Al2O3)**
**Particle Size: Narrow Particle Size Distribution**
**Active Metal: Palladium (Pd)**
**Operating Temperature: 30-35°C**
**Pore Size: Uniform Pore Size Distribution**

### Technical Parameters:

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|---|---|
| Active Metal | Palladium (Pd) |
| Surface Area | High Surface Area For Efficient Catalytic Activity |
| Activity | High Activity For C3 Hydrogenation |
| Pore Size | Uniform Pore Size Distribution |
| Regenerability | Can Be Regenerated Multiple Times Without Significant Loss Of Activity |
| Selectivity | High Selectivity C3 Hydrogenation |
| Operating Temperature | 30-35°C |
| Catalyst Type | Supported Metal Catalyst |
| Shape | Spherical |
| Particle Size | Narrow Particle Size Distribution |

### Applications:

The C3 Selective Hydrogenation Catalyst (Model: KMH-03) is a top-notch product originating from China, specifically designed for selective hydrogenation applications. This catalyst, formulated with aluminum oxide (Al2O3) as the support material, is highly efficient in targeting C3 compounds for hydrogenation processes.
With its narrow particle size distribution, the C3 Selective Hydrogenation Catalyst ensures precise and controlled catalytic reactions, making it an ideal choice for industries requiring selective hydrogenation of C3 components. The catalyst's excellent stability under harsh conditions further enhances its performance and longevity in various operational environments.
Featuring palladium (Pd) as the active metal, this catalyst delivers exceptional catalytic activity and selectivity for C3 hydrogenation reactions. The uniform pore size distribution of the C3 Selective Hydrogenation Catalyst plays a crucial role in facilitating the diffusion of reactants and products, thereby optimizing the overall hydrogenation process.
Key application occasions and scenarios for the C3 Selective Hydrogenation Catalyst include but are not limited to:
**Refineries: Efficient hydrogenation of C3 compounds in petroleum refining processes**
**Petrochemical Plants: Selective hydrogenation of C3 intermediates for chemical production**
**Gas Processing Facilities: Removal of undesirable C3 components from natural gas streams**
**Specialty Chemical Manufacturing: Production of specific C3-based chemicals with high purity**
Overall, the C3 Selective Hydrogenation Catalyst (KMH-03) stands out as a reliable and effective solution for industries seeking superior performance in C3 hydrogenation processes. Its advanced features, including the use of palladium and uniform pore size distribution,

make it a valuable asset for achieving targeted and efficient hydrogenation results.

## Customization:

Product Customization Services for the C3 Selective Hydrogenation Catalyst:
Brand Name: C3 Selective Hydrogenation Catalyst
Model Number: KMH-03
Place of Origin: CHINA
Pore Size: Uniform Pore Size Distribution
Operating Temperature: 30-35°C
Surface Area: High Surface Area For Efficient Catalytic Activity
Active Metal: Palladium (Pd)
Application: Selective Hydrogenation Of C3 Hydrocarbons

## Packing and Shipping:

Product Name: C3 Selective Hydrogenation Catalyst
Description: Our C3 Selective Hydrogenation Catalyst is designed to efficiently convert unsaturated hydrocarbons while maintaining high selectivity
Packaging: The catalyst is packaged in a secure container to ensure safe transport and storage
Shipping: We ship the product in a sturdy box to prevent damage during transit. Special care is taken to label the package as fragile and handle with care

## FAQ:

**Q: What is the brand name of this product?**
A: The brand name is C3 Selective Hydrogenation Catalyst.
**Q: What is the model number of this catalyst?**
A: The model number is KMH-03.
**Q: Where is this catalyst manufactured?**
A: This catalyst is manufactured in China.
**Q: What is the primary function of the C3 Selective Hydrogenation Catalyst?**
A: The primary function of this catalyst is to selectively hydrogenate C3 streams.
**Q: Is this catalyst suitable for industrial-scale applications?**
A: Yes, the C3 Selective Hydrogenation Catalyst is designed for industrial-scale applications.

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